LAC DU FLAMBEAU BAND
OF LAKE SUPERIOR
CHIPPEWA INDIANS

TRIBAL NATURAL RESOURCE DEPARTMENT

P.O. BOX 67
2500 HWY. 47 NORTH
LAC DU FLAMBEAU, WISCONSIN 54538
(715) 588-4213
FAX# (715) 588-3207

Fish Culture - Fisheries Management - Wildlife Management - Water Resources - Environmental Protection - Conservation Law - Energy - Air Quality

December 3, 2015

William and Linda Kozak
8760 W SQUAW LAKE RD
LAC DU FLAMBEAU WI 54538

Re: TNR Site # 4-2015
14267 W State Highway 70, Lac du Flambeau
Notification of Unmet Requirements
Site Investigation Workplan

Dear Mr. and Mrs. Kozak,

This letter serves as notification that you have not met the requirement to submit a plan to investigate the degree and extent of contamination. This letter also provides a summary of recent Site Activities, and notifies you of the current investigation of your Contractor for discharging contaminated water into Haskell Lake.

You previously received notice that the Tribal Natural Resource Department has determined that William and Linda Kozak are "Potentially Liable Person" for the releases of hazardous substances at your property pursuant to Tribal Law in a letter dated September 10, 2015. As the identified PLP, you are required to investigate the degree and extent of hazardous substance contamination and remediate to Tribal Cleanup Standards. A requirement of the September 10, 2015 notice was submittal of a Plan to Investigate the Degree and Extent of contamination within 60 days.

We understand some work has been completed under the Wisconsin PECFA funding. As stated in our September 10, 2015 letter; The Department will consider work funded by PECFA if Work Plans and Sampling Plans are provided to the Department, Reports and Results are provided to the Department, and work completed under PECFA funding is validated by the Department.

Plan to Investigate Degree and Extent of Contamination
The Department has offered to allow PECFA funded work count toward the site investigation requirement. To date, the Department has received:

- REI *Soil Investigation Proposal* dated June 24, 2015 and provided to the Department on July 7, 2015

- REI *Soil Investigation Proposal (amended)* dated August 11, 2015 and provided to the Department on September 11, 2015
- REI *Well Installation Proposal* dated October 26, 2015 and provided to the Department on October 27, 2015

These proposals include a partial evaluation of source soils and a partial well installation network. The scope is insufficient to meet the requirement of a plan to investigate the degree and extent of contamination. The Department has provided comments on July 17, 2015 and October 27, 2015. WDNR has not responded either Tribal or EPA scope of work questions offered to Mr. John Robinson on October 27, 2015. The partial well network installation effort was approved by the department contingent on 7 conditions. The conditions of this approval have not been met by your contractor.

Results and Reports
As described in the September 10, 2015 notice, consideration of PECFA funded work is conditioned on submittal of results and reports to the Tribe. Also, this requirement was included in the October 30, 2015 conditional approval to your contractor. This condition has not been met. Summary reports, results, boring logs, well logs, and other materials have not been submitted to the Department nor EPA.

Recent Site Activity- Hotel Vapor Intrusion Issue
An EPA emergency response action was initiated at the Tower Hotel for potential vapor intrusion concerns. In response to safety concerns of hotel residents, including a newborn baby, EPA Emergency Response provided emergency air sampling work in the hotel crawlspace. The concern is the portion of the plume originating from your property and flowing beneath the hotel is a potential pathway for vapor intrusion into the hotel. The results provided some low level detects below action levels. Preliminary results are attached. The recommendation from the Department, EPA and the ATSDR is that more work is needed including soil gas monitoring to evaluate the potential vapor intrusion pathway.

Notification and Validation of Site Work
As a provision of the September 10, 2015 notice, PECFA funded work would be considered toward Tribal requirements if the work was validated by the Department including Tribal Staff presence during field work. As agreed in the October 22, 2015 meeting with your contractor, EPA, WDNR and the Tribe; Field work is to be coordinated with the Tribe to allow for onsite presence during field work. Also, the October 30, 2015 well installation approval is conditioned on notification at the time planned work arrangements were made. Tribal Staff was present during days of notified work. This included a 6 minute notice on November 17, 2015. We have reason to believe that work without notification took place at your site.

Department Received Complaint on Contractor
A complaint has been filed with our department alleging REI staff dumped contaminated water into Haskell Lake. Contractor compliance with site work arrangements and site work

notification requirements would allow for Tribal Staff presence during all work and prevent these types of investigations and the potential liability tied to a violation of Tribal Law.

Alternative to Meet Tribal Requirements

The PECFA funded work does not meet the Tribal Requirement for a plan to investigate the degree and extent of contamination nor your requirement to investigate the degree and extent of hazardous substance contamination and remediate to Tribal Cleanup Standards. There remain substantial deficiencies in substance, reports and results have not been provided to the department, and conditions of approved work have not been met.

The Department encourages you to contact us to explore alternatives that will meet the plan to investigate the degree and extent of contamination requirement as well as your requirement to investigate the degree and extent of hazardous substance contamination and remediate to Tribal Cleanup Standards.

The TNR's policy is to work cooperatively with persons to ensure the efficient, prompt and effective cleanup of hazardous waste sites. Cooperating with the TNR, in planning or conducting remedial actions at the Site, is not an admission of guilt or liability.

If you have any questions or comments, please feel free to contact me at (715) 588-4160.

Sincerely,

Larry J. Wawronowicz

Larry Wawronowicz
Tribal Natural Resource Department Director
Lac du Flambeau Band of Lake Superior Chippewa Indians

cc: Margaret Guerriero, EPA
Sherry Kamke, EPA
Bob Egan, EPA
Kristen Hanson, TNR
Dee Allen, TNR
John Robinson, WDNR

Enclosures: October 30, 2015 TNR Well Installation Conditional Approval Letter
Tower Hotel Preliminary Air Sampling Results

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Fish Culture - Fisheries Management - Wildlife Management - Water Resources - Environmental Protection - Conservation Law - Energy - Air Quality

October 30, 2015

Mr. David Larsen
REI
4080 N. 20th Avenue
Wausau, WI 54401

RE: REI Well Installation Proposal
LDF TNR Site No. 004-2015

Mr. Larsen,
REI's Well Installation Proposal dated October 26th, 2015 was received by the Tribal Natural Resource Department on October 27, 2015.

The Department approves the scope of work described in your proposal **contingent** on the following conditions:

1) The Tribal Natural Resource Department is notified when planned work arrangements are made. From your communication to Larry Wawronowicz on October 29th, we understand you plan to start well installation work at 12:00 Monday, November 2nd, 2015. All future site work requires Tribal notification and Tribal presence.
2) Monitoring well keys be provided to the Tribe at the time of installation.
3) Well and Boring Logs be provided to the Tribe within 1 week of installation.
4) Well Development Forms be provided to the Tribe within 1 week of development.
5) All investigative waste documentation be provided to the Tribe within 30 days.
6) Results and Reports are provided to the Tribe concurrent with any submittal to any other agency (WDNR, EPA).
7) Sampling analytical results be provided to the Tribe within 30 days of sampling.

Please be aware that bailer sampling for VOCs is not consistent with our sampling protocol and EPA/Tribal sampling will be conducted on installed wells with low flow sampling techniques. Also, the sampling scope of work did not include several chemicals of concern (COC) identified at the site including lead, cadmium, naphthalene, 1,2- Dichloroethane, and 1,2- Dibromoethane.

Sincerely,

Kristen Hanson
Environmental Response Program Coordinator/ Environmental Specialist

cc: Bill and Linda Kozak
Dee Allen, LDF Environmental Director
Larry Wawronowicz, LDF Natural Resource Director
Sherry Kamke, EPA OUST
Bob Egan, EPA Corrective Action
John Robinson, WDNR
Greer Lundquist, WDNR

Compound	EPA RSL	ATSRD	EPA RML	E-Crawl Space µg/m³	W-Crawl Space µg/m³
Acetone	32,000		97,000	16	18
Acetonitrile	63		190	ND	0.9
alpha-Pinene			NE	ND	0.98
Benzene	0.36	10	36	ND	0.68
1,3-Butadiene	0.094		6.3	ND	0.99
n-Butyl Acetate			NE	ND	0.87
Dichlorodifluoromethane (CFC 12)	100		310	2.4	2.2
Ethanol			NE	69	270
Ethyl Acetate	73		220	ND	4.4
d-Limonene			NE	1.5	12
Propene	3,100		9,400	ND	4.7
Tetrahydrofuran (THF)	2,100		6,300	ND	0.95
Toluene	5,200		16,000	0.71	2.6
Trichlorofluoromethane	730		2,200	1.1	1.2
m,p-Xylenes	100		310	ND	1.6

2655 Park Center Dr., Suite A
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F: +1 805 526 7270
www.alsglobal.com

LABORATORY REPORT

October 30, 2015

Pat Letterer
CT Laboratories
1230 Lange Court
Baraboo, WI 53913

RE: Tower Motel

Dear Pat:

Enclosed are the results of the samples submitted to our laboratory on October 29, 2015. For your reference, these analyses have been assigned our service request number P1504611.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental

Kate Aguilera

By Kate Aguilera at 10:33 am, Oct 30, 2015

Kate Aguilera
Project Manager

2655 Park Center Dr., Suite A
Simi Valley, CA 93065
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www.alsglobal.com

Client: CT Laboratories
Project: Tower Motel

Service Request No: P1504611

CASE NARRATIVE

The samples were received intact under chain of custody on October 29, 2015 and were stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

Volatile Organic Compound Analysis

The client supplied canister samples were analyzed for volatile organic compounds in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. This procedure is described in laboratory SOP VOA-TO15. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. This method is included on the laboratory's NELAP and DoD-ELAP scope of accreditation, however it is not part of the AIHA-LAP accreditation. Any analytes flagged with an X are not included on the NELAP or DoD-ELAP accreditation.

The upper control criterion was exceeded for trans-1,3-Dichloropropene in the Continuing Calibration Verification (CCV) analyzed on October 29, 2015. Since the apparent problem equates to a potential high bias and the field samples analyzed in this sequence did not contain the analyte in question, the data quality has not been significantly affected. No corrective action was required.

The upper control criterion was exceeded for Bromomethane in the Laboratory Control Sample (LCS) analyzed on October 29, 2015. The analyte in question was not detected in the associated field samples. Since the error associated with the elevated recovery equates to a high bias, the sample data has not been significantly affected. The data has been flagged accordingly. No corrective action was required.

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ALS Environmental - Simi Valley

CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

Agency	Web Site	Number
AIHA	http://www.aihaaccreditedlabs.org	101661
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0694
DoD ELAP	http://www.pjlabs.com/search-accredited-labs	L14-2-R1
Florida DOH (NELAP)	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E871020
Maine DHHS	http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/labcert.htm	2014025
Minnesota DOH (NELAP)	http://www.health.state.mn.us/accreditation	977273
New Jersey DEP (NELAP)	http://www.nj.gov/dep/oqa/	CA009
New York DOH (NELAP)	http://www.wadsworth.org/labcert/elap/elap.html	11221
Oregon PHD (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	4068-001
Pennsylvania DEP	http://www.depweb.state.pa.us/labs	68-03307 (Registration)
Texas CEQ (NELAP)	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704413-15-6
Utah DOH (NELAP)	http://www.health.utah.gov/lab/labimp/certification/index.html	CA016272015-5
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C946

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

Client: CT Laboratories
Project ID: Tower Motel

Service Request: P1504611

Date Received: 10/29/2015
Time Received: 09:30

Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	Pi1 (psig)	Pf1 (psig)	TO-15 - VOC Cans
E Crawl Space	P1504611-001	Air	10/27/2015	14:41	-0.25	3.58	X
W Crawl Space	P1504611-002	Air	10/27/2015	14:25	-0.39	4.68	X

Columbia Analytical Services

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

Air - Chain of Custody Record & Analytical Service Request

Page 1 of 1

ASAP

Requested Turnaround Time in Business Days (Surcharges) please circle
1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day-Standard

CAS Project No. P150411

CAS Contact:

Company Name & Address (Reporting Information)	Project Name	P.O. # / Billing Information
TETRA TECH 150 WACKER DR STE 3700 Chicago IL 60606	TOWER MOTEL Project Number	PATRICK LETTERER CT LABORATORIES 1230 LANGE CT BARABOO WI 53913

Project Manager	Phone	Fax	Email Address for Result Reporting	Sampler (Print & Sign)
Robert Kondreck	312.201.7479		robert.kondreck@tetratech.com	Kathy Halbur

Analysis Method/Analytes

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Sample Type (Air/Tube/ Solid)	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller (Bar code - FC #)	Sample Volume	TO-15			Comments e.g. Actual Preservative or specific instructions
E Crawl Space	01	10/27/15	1441	Air			6L	-19→0	Grab Sample		Clean & Return Canisters See Notes
W Crawl Space	02	10/27/15	1425	Air			6L	-21→0	Grab Sample		

Report Tier Levels - please select
Tier I - (Results/Default if not specified) ____
Tier II (Results + QC) X
Tier III (Data Validation Package) 10% Surcharge ____
Tier V (client specified) ____

EDD required (Yes) / No
Type: ____ EDD Units: ug/m3

Project Requirements (MRLs, QAPP)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Kathy Halbur	10/28/15	13:30		10/29/15	8:30
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Cooler / Blank Temperature ____ °C

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EPA-R5-2017-010506_0000292

ALS Environmental
Sample Acceptance Check Form

Client: CT Laboratories Work order: P1504611

Project: Tower Motel

Sample(s) received on: 10/29/15 Date opened: 10/29/15 by: KKELPE

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

		Yes	No	N/A
1	Were **sample containers** properly marked with client sample ID?	☒	☐	☐
2	Did **sample containers** arrive in good condition?	☒	☐	☐
3	Were **chain-of-custody** papers used and filled out?	☒	☐	☐
4	Did **sample container labels** and/or tags agree with custody papers?	☒	☐	☐
5	Was **sample volume** received adequate for analysis?	☒	☐	☐
6	Are samples within specified holding times?	☒	☐	☐
7	Was proper **temperature** (thermal preservation) of cooler at receipt adhered to?	☐	☐	☒
8	Were **custody seals** on outside of cooler/Box/Container?	☒	☐	☐
	Location of seal(s)? sealing outside box and inside box Sealing Lid?	☒	☐	☐
	Were signature and date included?	☒	☐	☐
	Were seals intact?	☒	☐	☐
9	Do containers have appropriate **preservation**, according to method/SOP or Client specified information?	☐	☐	☒
	Is there a client indication that the submitted samples are **pH** preserved?	☐	☐	☒
	Were **VOA vials** checked for presence/absence of air bubbles?	☐	☐	☒
	Does the client/method/SOP require that the analyst check the sample pH and if necessary alter it?	☐	☐	☒
10	**Tubes:** Are the tubes capped and intact?	☐	☐	☒
11	**Badges:** Are the badges properly capped and intact?	☐	☐	☒
	Are dual bed badges separated and individually capped and intact?	☐	☐	☒

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P1504611-001.01	Canister					
P1504611-002.01	Canister					

Explain any discrepancies: (include lab sample ID numbers):

RSK - MEEPP, HCL (pH<2); RSK - CO2, (pH 5-8); Sulfur (pH>4)

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **CT Laboratories**
Client Sample ID: **E Crawl Space**
Client Project ID: **Tower Motel**

ALS Project ID: P1504611
ALS Sample ID: P1504611-001

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sample Type: Canister
Test Notes:

Date Collected: 10/27/15
Date Received: 10/29/15
Date Analyzed: 10/29/15
Volume(s) Analyzed: 1.00 Liter(s)

Initial Pressure (psig): -0.25 Final Pressure (psig): 3.58

Canister Dilution Factor: 1.27

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
115-07-1	Propene	ND	0.64	ND	0.37	
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.4**	0.64	**0.48**	0.13	
74-87-3	Chloromethane	ND	0.64	ND	0.31	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.64	ND	0.091	
75-01-4	Vinyl Chloride	ND	0.64	ND	0.25	
106-99-0	1,3-Butadiene	ND	0.64	ND	0.29	
74-83-9	Bromomethane	ND	0.64	ND	0.16	**L**
75-00-3	Chloroethane	ND	0.64	ND	0.24	
64-17-5	Ethanol	**69**	6.4	**37**	3.4	
75-05-8	Acetonitrile	ND	0.64	ND	0.38	
107-02-8	Acrolein	ND	2.5	ND	1.1	
67-64-1	Acetone	**16**	6.4	**6.9**	2.7	
75-69-4	Trichlorofluoromethane	**1.1**	0.64	**0.20**	0.11	
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	6.4	ND	2.6	
107-13-1	Acrylonitrile	ND	0.64	ND	0.29	
75-35-4	1,1-Dichloroethene	ND	0.64	ND	0.16	
75-09-2	Methylene Chloride	ND	0.64	ND	0.18	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	0.64	ND	0.20	
76-13-1	Trichlorotrifluoroethane	ND	0.64	ND	0.083	
75-15-0	Carbon Disulfide	ND	6.4	ND	2.0	
156-60-5	trans-1,2-Dichloroethene	ND	0.64	ND	0.16	
75-34-3	1,1-Dichloroethane	ND	0.64	ND	0.16	
1634-04-4	Methyl tert-Butyl Ether	ND	0.64	ND	0.18	
108-05-4	Vinyl Acetate	ND	6.4	ND	1.8	
78-93-3	2-Butanone (MEK)	ND	6.4	ND	2.2	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
L = Laboratory control sample recovery outside the specified limits, results may be biased high.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **CT Laboratories**
Client Sample ID: **E Crawl Space**
Client Project ID: **Tower Motel**

ALS Project ID: P1504611
ALS Sample ID: P1504611-001

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sample Type: Canister
Test Notes:

Date Collected: 10/27/15
Date Received: 10/29/15
Date Analyzed: 10/29/15
Volume(s) Analyzed: 1.00 Liter(s)

Initial Pressure (psig): -0.25 Final Pressure (psig): 3.58

Canister Dilution Factor: 1.27

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	ND	0.64	ND	0.16	
141-78-6	Ethyl Acetate	ND	1.3	ND	0.35	
110-54-3	n-Hexane	ND	0.64	ND	0.18	
67-66-3	Chloroform	ND	0.64	ND	0.13	
109-99-9	Tetrahydrofuran (THF)	ND	0.64	ND	0.22	
107-06-2	1,2-Dichloroethane	ND	0.64	ND	0.16	
71-55-6	1,1,1-Trichloroethane	ND	0.64	ND	0.12	
71-43-2	Benzene	ND	0.64	ND	0.20	
56-23-5	Carbon Tetrachloride	ND	0.64	ND	0.10	
110-82-7	Cyclohexane	ND	1.3	ND	0.37	
78-87-5	1,2-Dichloropropane	ND	0.64	ND	0.14	
75-27-4	Bromodichloromethane	ND	0.64	ND	0.095	
79-01-6	Trichloroethene	ND	0.64	ND	0.12	
123-91-1	1,4-Dioxane	ND	0.64	ND	0.18	
80-62-6	Methyl Methacrylate	ND	1.3	ND	0.31	
142-82-5	n-Heptane	ND	0.64	ND	0.16	
10061-01-5	cis-1,3-Dichloropropene	ND	0.64	ND	0.14	
108-10-1	4-Methyl-2-pentanone	ND	0.64	ND	0.16	
10061-02-6	trans-1,3-Dichloropropene	ND	0.64	ND	0.14	
79-00-5	1,1,2-Trichloroethane	ND	0.64	ND	0.12	
108-88-3	Toluene	**0.71**	0.64	**0.19**	0.17	
591-78-6	2-Hexanone	ND	0.64	ND	0.16	
124-48-1	Dibromochloromethane	ND	0.64	ND	0.075	
106-93-4	1,2-Dibromoethane	ND	0.64	ND	0.083	
123-86-4	n-Butyl Acetate	ND	0.64	ND	0.13	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Client: **CT Laboratories**
Client Sample ID: **E Crawl Space**
Client Project ID: **Tower Motel**

ALS Project ID: P1504611
ALS Sample ID: P1504611-001

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sample Type: Canister
Test Notes:

Date Collected: 10/27/15
Date Received: 10/29/15
Date Analyzed: 10/29/15
Volume(s) Analyzed: 1.00 Liter(s)

Initial Pressure (psig): -0.25 Final Pressure (psig): 3.58

Canister Dilution Factor: 1.27

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
111-65-9	n-Octane	ND	0.64	ND	0.14	
127-18-4	Tetrachloroethene	ND	0.64	ND	0.094	
108-90-7	Chlorobenzene	ND	0.64	ND	0.14	
100-41-4	Ethylbenzene	ND	0.64	ND	0.15	
179601-23-1	m,p-Xylenes	ND	1.3	ND	0.29	
75-25-2	Bromoform	ND	0.64	ND	0.061	
100-42-5	Styrene	ND	0.64	ND	0.15	
95-47-6	o-Xylene	ND	0.64	ND	0.15	
111-84-2	n-Nonane	ND	0.64	ND	0.12	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.64	ND	0.093	
98-82-8	Cumene	ND	0.64	ND	0.13	
80-56-8	alpha-Pinene	ND	0.64	ND	0.11	
103-65-1	n-Propylbenzene	ND	0.64	ND	0.13	
622-96-8	4-Ethyltoluene	ND	0.64	ND	0.13	
108-67-8	1,3,5-Trimethylbenzene	ND	0.64	ND	0.13	
95-63-6	1,2,4-Trimethylbenzene	ND	0.64	ND	0.13	
100-44-7	Benzyl Chloride	ND	0.64	ND	0.12	
541-73-1	1,3-Dichlorobenzene	ND	0.64	ND	0.11	
106-46-7	1,4-Dichlorobenzene	ND	0.64	ND	0.11	
95-50-1	1,2-Dichlorobenzene	ND	0.64	ND	0.11	
5989-27-5	d-Limonene	**1.5**	0.64	**0.27**	0.11	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.64	ND	0.066	
120-82-1	1,2,4-Trichlorobenzene	ND	0.64	ND	0.086	
91-20-3	Naphthalene	ND	0.64	ND	0.12	
87-68-3	Hexachlorobutadiene	ND	0.64	ND	0.060	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **CT Laboratories**
Client Sample ID: **W Crawl Space**
Client Project ID: **Tower Motel**

ALS Project ID: P1504611
ALS Sample ID: P1504611-002

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sample Type: Canister
Test Notes:

Date Collected: 10/27/15
Date Received: 10/29/15
Date Analyzed: 10/29/15
Volume(s) Analyzed: 1.00 Liter(s)

Initial Pressure (psig): -0.39 Final Pressure (psig): 4.68

Canister Dilution Factor: 1.35

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
115-07-1	Propene	**4.7**	0.68	**2.8**	0.39	
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.2**	0.68	**0.45**	0.14	
74-87-3	Chloromethane	ND	0.68	ND	0.33	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.68	ND	0.097	
75-01-4	Vinyl Chloride	ND	0.68	ND	0.26	
106-99-0	1,3-Butadiene	**0.99**	0.68	**0.45**	0.31	
74-83-9	Bromomethane	ND	0.68	ND	0.17	**L**
75-00-3	Chloroethane	ND	0.68	ND	0.26	
64-17-5	Ethanol	**270**	6.8	**140**	3.6	
75-05-8	Acetonitrile	**0.90**	0.68	**0.53**	0.40	
107-02-8	Acrolein	ND	2.7	ND	1.2	
67-64-1	Acetone	**18**	6.8	**7.7**	2.8	
75-69-4	Trichlorofluoromethane	**1.2**	0.68	**0.21**	0.12	
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	6.8	ND	2.7	
107-13-1	Acrylonitrile	ND	0.68	ND	0.31	
75-35-4	1,1-Dichloroethene	ND	0.68	ND	0.17	
75-09-2	Methylene Chloride	ND	0.68	ND	0.19	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	0.68	ND	0.22	
76-13-1	Trichlorotrifluoroethane	ND	0.68	ND	0.088	
75-15-0	Carbon Disulfide	ND	6.8	ND	2.2	
156-60-5	trans-1,2-Dichloroethene	ND	0.68	ND	0.17	
75-34-3	1,1-Dichloroethane	ND	0.68	ND	0.17	
1634-04-4	Methyl tert-Butyl Ether	ND	0.68	ND	0.19	
108-05-4	Vinyl Acetate	ND	6.8	ND	1.9	
78-93-3	2-Butanone (MEK)	ND	6.8	ND	2.3	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
L = Laboratory control sample recovery outside the specified limits, results may be biased high.

Client: **CT Laboratories**
Client Sample ID: **W Crawl Space**
Client Project ID: **Tower Motel**

ALS Project ID: P1504611
ALS Sample ID: P1504611-002

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sample Type: Canister
Test Notes:

Date Collected: 10/27/15
Date Received: 10/29/15
Date Analyzed: 10/29/15
Volume(s) Analyzed: 1.00 Liter(s)

Initial Pressure (psig): -0.39 Final Pressure (psig): 4.68

Canister Dilution Factor: 1.35

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	ND	0.68	ND	0.17	
141-78-6	Ethyl Acetate	**4.4**	1.4	**1.2**	0.37	
110-54-3	n-Hexane	ND	0.68	ND	0.19	
67-66-3	Chloroform	ND	0.68	ND	0.14	
109-99-9	Tetrahydrofuran (THF)	**0.95**	0.68	**0.32**	0.23	
107-06-2	1,2-Dichloroethane	ND	0.68	ND	0.17	
71-55-6	1,1,1-Trichloroethane	ND	0.68	ND	0.12	
71-43-2	Benzene	**0.68**	0.68	**0.21**	0.21	
56-23-5	Carbon Tetrachloride	ND	0.68	ND	0.11	
110-82-7	Cyclohexane	ND	1.4	ND	0.39	
78-87-5	1,2-Dichloropropane	ND	0.68	ND	0.15	
75-27-4	Bromodichloromethane	ND	0.68	ND	0.10	
79-01-6	Trichloroethene	ND	0.68	ND	0.13	
123-91-1	1,4-Dioxane	ND	0.68	ND	0.19	
80-62-6	Methyl Methacrylate	ND	1.4	ND	0.33	
142-82-5	n-Heptane	ND	0.68	ND	0.16	
10061-01-5	cis-1,3-Dichloropropene	ND	0.68	ND	0.15	
108-10-1	4-Methyl-2-pentanone	ND	0.68	ND	0.16	
10061-02-6	trans-1,3-Dichloropropene	ND	0.68	ND	0.15	
79-00-5	1,1,2-Trichloroethane	ND	0.68	ND	0.12	
108-88-3	Toluene	**2.6**	0.68	**0.69**	0.18	
591-78-6	2-Hexanone	ND	0.68	ND	0.16	
124-48-1	Dibromochloromethane	ND	0.68	ND	0.079	
106-93-4	1,2-Dibromoethane	ND	0.68	ND	0.088	
123-86-4	n-Butyl Acetate	**0.87**	0.68	**0.18**	0.14	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **CT Laboratories**
Client Sample ID: **W Crawl Space**
Client Project ID: **Tower Motel**

ALS Project ID: P1504611
ALS Sample ID: P1504611-002

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sample Type: Canister
Test Notes:

Date Collected: 10/27/15
Date Received: 10/29/15
Date Analyzed: 10/29/15
Volume(s) Analyzed: 1.00 Liter(s)

Initial Pressure (psig): -0.39 Final Pressure (psig): 4.68

Canister Dilution Factor: 1.35

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
111-65-9	n-Octane	ND	0.68	ND	0.14	
127-18-4	Tetrachloroethene	ND	0.68	ND	0.10	
108-90-7	Chlorobenzene	ND	0.68	ND	0.15	
100-41-4	Ethylbenzene	ND	0.68	ND	0.16	
179601-23-1	m,p-Xylenes	**1.6**	1.4	**0.36**	0.31	
75-25-2	Bromoform	ND	0.68	ND	0.065	
100-42-5	Styrene	ND	0.68	ND	0.16	
95-47-6	o-Xylene	ND	0.68	ND	0.16	
111-84-2	n-Nonane	ND	0.68	ND	0.13	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.68	ND	0.098	
98-82-8	Cumene	ND	0.68	ND	0.14	
80-56-8	alpha-Pinene	**0.98**	0.68	**0.18**	0.12	
103-65-1	n-Propylbenzene	ND	0.68	ND	0.14	
622-96-8	4-Ethyltoluene	ND	0.68	ND	0.14	
108-67-8	1,3,5-Trimethylbenzene	ND	0.68	ND	0.14	
95-63-6	1,2,4-Trimethylbenzene	ND	0.68	ND	0.14	
100-44-7	Benzyl Chloride	ND	0.68	ND	0.13	
541-73-1	1,3-Dichlorobenzene	ND	0.68	ND	0.11	
106-46-7	1,4-Dichlorobenzene	ND	0.68	ND	0.11	
95-50-1	1,2-Dichlorobenzene	ND	0.68	ND	0.11	
5989-27-5	d-Limonene	**12**	0.68	**2.2**	0.12	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.68	ND	0.070	
120-82-1	1,2,4-Trichlorobenzene	ND	0.68	ND	0.091	
91-20-3	Naphthalene	ND	0.68	ND	0.13	
87-68-3	Hexachlorobutadiene	ND	0.68	ND	0.063	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **CT Laboratories**
Client Sample ID: **Method Blank**
Client Project ID: **Tower Motel**

ALS Project ID: P1504611
ALS Sample ID: P151028-MB

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sample Type: Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 10/28/15
Volume(s) Analyzed: 1.00 Liter(s)

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
115-07-1	Propene	ND	0.50	ND	0.29	
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	0.50	ND	0.10	
74-87-3	Chloromethane	ND	0.50	ND	0.24	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	ND	0.50	ND	0.072	
75-01-4	Vinyl Chloride	ND	0.50	ND	0.20	
106-99-0	1,3-Butadiene	ND	0.50	ND	0.23	
74-83-9	Bromomethane	ND	0.50	ND	0.13	L
75-00-3	Chloroethane	ND	0.50	ND	0.19	
64-17-5	Ethanol	ND	5.0	ND	2.7	
75-05-8	Acetonitrile	ND	0.50	ND	0.30	
107-02-8	Acrolein	ND	2.0	ND	0.87	
67-64-1	Acetone	ND	5.0	ND	2.1	
75-69-4	Trichlorofluoromethane	ND	0.50	ND	0.089	
67-63-0	2-Propanol (Isopropyl Alcohol)	ND	5.0	ND	2.0	
107-13-1	Acrylonitrile	ND	0.50	ND	0.23	
75-35-4	1,1-Dichloroethene	ND	0.50	ND	0.13	
75-09-2	Methylene Chloride	ND	0.50	ND	0.14	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	ND	0.50	ND	0.16	
76-13-1	Trichlorotrifluoroethane	ND	0.50	ND	0.065	
75-15-0	Carbon Disulfide	ND	5.0	ND	1.6	
156-60-5	trans-1,2-Dichloroethene	ND	0.50	ND	0.13	
75-34-3	1,1-Dichloroethane	ND	0.50	ND	0.12	
1634-04-4	Methyl tert-Butyl Ether	ND	0.50	ND	0.14	
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4	
78-93-3	2-Butanone (MEK)	ND	5.0	ND	1.7	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
L = Laboratory control sample recovery outside the specified limits, results may be biased high.

Client: **CT Laboratories**
Client Sample ID: **Method Blank**
Client Project ID: **Tower Motel**

ALS Project ID: P1504611
ALS Sample ID: P151028-MB

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sample Type: Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 10/28/15
Volume(s) Analyzed: 1.00 Liter(s)

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	ND	0.50	ND	0.13	
141-78-6	Ethyl Acetate	ND	1.0	ND	0.28	
110-54-3	n-Hexane	ND	0.50	ND	0.14	
67-66-3	Chloroform	ND	0.50	ND	0.10	
109-99-9	Tetrahydrofuran (THF)	ND	0.50	ND	0.17	
107-06-2	1,2-Dichloroethane	ND	0.50	ND	0.12	
71-55-6	1,1,1-Trichloroethane	ND	0.50	ND	0.092	
71-43-2	Benzene	ND	0.50	ND	0.16	
56-23-5	Carbon Tetrachloride	ND	0.50	ND	0.080	
110-82-7	Cyclohexane	ND	1.0	ND	0.29	
78-87-5	1,2-Dichloropropane	ND	0.50	ND	0.11	
75-27-4	Bromodichloromethane	ND	0.50	ND	0.075	
79-01-6	Trichloroethene	ND	0.50	ND	0.093	
123-91-1	1,4-Dioxane	ND	0.50	ND	0.14	
80-62-6	Methyl Methacrylate	ND	1.0	ND	0.24	
142-82-5	n-Heptane	ND	0.50	ND	0.12	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ND	0.11	
108-10-1	4-Methyl-2-pentanone	ND	0.50	ND	0.12	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ND	0.11	
79-00-5	1,1,2-Trichloroethane	ND	0.50	ND	0.092	
108-88-3	Toluene	ND	0.50	ND	0.13	
591-78-6	2-Hexanone	ND	0.50	ND	0.12	
124-48-1	Dibromochloromethane	ND	0.50	ND	0.059	
106-93-4	1,2-Dibromoethane	ND	0.50	ND	0.065	
123-86-4	n-Butyl Acetate	ND	0.50	ND	0.11	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Client: **CT Laboratories**
Client Sample ID: **Method Blank**
Client Project ID: **Tower Motel**

ALS Project ID: P1504611
ALS Sample ID: P151028-MB

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sample Type: Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 10/28/15
Volume(s) Analyzed: 1.00 Liter(s)

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
111-65-9	n-Octane	ND	0.50	ND	0.11	
127-18-4	Tetrachloroethene	ND	0.50	ND	0.074	
108-90-7	Chlorobenzene	ND	0.50	ND	0.11	
100-41-4	Ethylbenzene	ND	0.50	ND	0.12	
179601-23-1	m,p-Xylenes	ND	1.0	ND	0.23	
75-25-2	Bromoform	ND	0.50	ND	0.048	
100-42-5	Styrene	ND	0.50	ND	0.12	
95-47-6	o-Xylene	ND	0.50	ND	0.12	
111-84-2	n-Nonane	ND	0.50	ND	0.095	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ND	0.073	
98-82-8	Cumene	ND	0.50	ND	0.10	
80-56-8	alpha-Pinene	ND	0.50	ND	0.090	
103-65-1	n-Propylbenzene	ND	0.50	ND	0.10	
622-96-8	4-Ethyltoluene	ND	0.50	ND	0.10	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	ND	0.10	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	ND	0.10	
100-44-7	Benzyl Chloride	ND	0.50	ND	0.097	
541-73-1	1,3-Dichlorobenzene	ND	0.50	ND	0.083	
106-46-7	1,4-Dichlorobenzene	ND	0.50	ND	0.083	
95-50-1	1,2-Dichlorobenzene	ND	0.50	ND	0.083	
5989-27-5	d-Limonene	ND	0.50	ND	0.090	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	ND	0.052	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	ND	0.067	
91-20-3	Naphthalene	ND	0.50	ND	0.095	
87-68-3	Hexachlorobutadiene	ND	0.50	ND	0.047	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

SURROGATE SPIKE RECOVERY RESULTS

Client: **CT Laboratories**
Client Project ID: **Tower Motel** ALS Project ID: P1504611

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sample Type: Canister(s)
Test Notes:

Date(s) Collected: 10/27/15
Date(s) Received: 10/29/15
Date(s) Analyzed: 10/28 - 10/29/15

Client Sample ID	ALS Sample ID	1,2-Dichloroethane-d4 Percent Recovered	Toluene-d8 Percent Recovered	Bromofluorobenzene Percent Recovered	Acceptance Limits	Data Qualifier
Method Blank	P151028-MB	**114**	**101**	**89**	70-130	
Lab Control Sample	P151028-LCS	**117**	**101**	**92**	70-130	
E Crawl Space	P1504611-001	**107**	**94**	**91**	70-130	
W Crawl Space	P1504611-002	**108**	**101**	**91**	70-130	

Surrogate percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly from the on-column percent recovery.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Client: **CT Laboratories**
Client Sample ID: **Lab Control Sample**
Client Project ID: **Tower Motel**

ALS Project ID: P1504611
ALS Sample ID: P151028-LCS

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sample Type: Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 10/28/15
Volume(s) Analyzed: 0.125 Liter(s)

CAS #	Compound	Spike Amount µg/m³	Result µg/m³	% Recovery	ALS Acceptance Limits	Data Qualifier
115-07-1	Propene	196	**220**	**112**	49-131	
75-71-8	Dichlorodifluoromethane (CFC 12)	188	**204**	**109**	65-117	
74-87-3	Chloromethane	200	**220**	**110**	48-132	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	204	**235**	**115**	65-122	
75-01-4	Vinyl Chloride	200	**255**	**128**	65-128	
106-99-0	1,3-Butadiene	206	**268**	**130**	62-143	
74-83-9	Bromomethane	202	**277**	**137**	65-130	**L**
75-00-3	Chloroethane	200	**209**	**105**	69-126	
64-17-5	Ethanol	998	**1050**	**105**	57-126	
75-05-8	Acetonitrile	212	**204**	**96**	51-134	
107-02-8	Acrolein	214	**200**	**93**	55-146	
67-64-1	Acetone	1,080	**1140**	**106**	57-120	
75-69-4	Trichlorofluoromethane	216	**216**	**100**	59-139	
67-63-0	2-Propanol (Isopropyl Alcohol)	418	**480**	**115**	59-129	
107-13-1	Acrylonitrile	212	**225**	**106**	64-136	
75-35-4	1,1-Dichloroethene	216	**216**	**100**	72-123	
75-09-2	Methylene Chloride	222	**203**	**91**	63-117	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	218	**210**	**96**	50-141	
76-13-1	Trichlorotrifluoroethane	220	**202**	**92**	68-118	
75-15-0	Carbon Disulfide	210	**169**	**80**	55-143	
156-60-5	trans-1,2-Dichloroethene	210	**200**	**95**	69-129	
75-34-3	1,1-Dichloroethane	212	**190**	**90**	66-122	
1634-04-4	Methyl tert-Butyl Ether	216	**207**	**96**	55-128	
108-05-4	Vinyl Acetate	1,040	**1220**	**117**	66-140	
78-93-3	2-Butanone (MEK)	220	**205**	**93**	62-127	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.
L = Laboratory control sample recovery outside the specified limits, results may be biased high.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Client: **CT Laboratories**
Client Sample ID: **Lab Control Sample**
Client Project ID: **Tower Motel**

ALS Project ID: P1504611
ALS Sample ID: P151028-LCS

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sample Type: Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 10/28/15
Volume(s) Analyzed: 0.125 Liter(s)

CAS #	Compound	Spike Amount µg/m³	Result µg/m³	% Recovery	ALS Acceptance Limits	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	218	**207**	**95**	65-125	
141-78-6	Ethyl Acetate	428	**407**	**95**	64-132	
110-54-3	n-Hexane	212	**197**	**93**	58-126	
67-66-3	Chloroform	224	**211**	**94**	68-117	
109-99-9	Tetrahydrofuran (THF)	220	**216**	**98**	64-123	
107-06-2	1,2-Dichloroethane	214	**240**	**112**	63-124	
71-55-6	1,1,1-Trichloroethane	210	**193**	**92**	68-120	
71-43-2	Benzene	226	**206**	**91**	61-110	
56-23-5	Carbon Tetrachloride	230	**214**	**93**	65-137	
110-82-7	Cyclohexane	424	**401**	**95**	68-122	
78-87-5	1,2-Dichloropropane	216	**198**	**92**	67-122	
75-27-4	Bromodichloromethane	218	**213**	**98**	71-124	
79-01-6	Trichloroethene	216	**185**	**86**	71-121	
123-91-1	1,4-Dioxane	210	**214**	**102**	67-122	
80-62-6	Methyl Methacrylate	422	**434**	**103**	76-130	
142-82-5	n-Heptane	216	**203**	**94**	67-125	
10061-01-5	cis-1,3-Dichloropropene	208	**209**	**100**	73-131	
108-10-1	4-Methyl-2-pentanone	220	**221**	**100**	66-132	
10061-02-6	trans-1,3-Dichloropropene	210	**250**	**119**	76-135	
79-00-5	1,1,2-Trichloroethane	216	**210**	**97**	73-121	
108-88-3	Toluene	218	**215**	**99**	67-117	
591-78-6	2-Hexanone	220	**234**	**106**	59-128	
124-48-1	Dibromochloromethane	220	**221**	**100**	73-132	
106-93-4	1,2-Dibromoethane	218	**215**	**99**	73-128	
123-86-4	n-Butyl Acetate	226	**228**	**101**	61-136	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Client: **CT Laboratories**
Client Sample ID: **Lab Control Sample**
Client Project ID: **Tower Motel**

ALS Project ID: P1504611
ALS Sample ID: P151028-LCS

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sample Type: Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 10/28/15
Volume(s) Analyzed: 0.125 Liter(s)

CAS #	Compound	Spike Amount µg/m³	Result µg/m³	% Recovery	ALS Acceptance Limits	Data Qualifier
111-65-9	n-Octane	210	**201**	**96**	67-124	
127-18-4	Tetrachloroethene	202	**182**	**90**	65-126	
108-90-7	Chlorobenzene	220	**196**	**89**	68-120	
100-41-4	Ethylbenzene	218	**201**	**92**	69-123	
179601-23-1	m,p-Xylenes	428	**394**	**92**	67-125	
75-25-2	Bromoform	228	**214**	**94**	68-153	
100-42-5	Styrene	222	**215**	**97**	68-132	
95-47-6	o-Xylene	210	**193**	**92**	67-124	
111-84-2	n-Nonane	204	**191**	**94**	60-130	
79-34-5	1,1,2,2-Tetrachloroethane	210	**199**	**95**	72-128	
98-82-8	Cumene	208	**187**	**90**	67-124	
80-56-8	alpha-Pinene	212	**199**	**94**	67-129	
103-65-1	n-Propylbenzene	204	**180**	**88**	67-125	
622-96-8	4-Ethyltoluene	214	**197**	**92**	66-128	
108-67-8	1,3,5-Trimethylbenzene	214	**198**	**93**	65-125	
95-63-6	1,2,4-Trimethylbenzene	218	**196**	**90**	62-134	
100-44-7	Benzyl Chloride	220	**304**	**138**	74-145	
541-73-1	1,3-Dichlorobenzene	228	**203**	**89**	63-133	
106-46-7	1,4-Dichlorobenzene	208	**194**	**93**	62-129	
95-50-1	1,2-Dichlorobenzene	220	**190**	**86**	62-134	
5989-27-5	d-Limonene	210	**203**	**97**	66-137	
96-12-8	1,2-Dibromo-3-chloropropane	218	**234**	**107**	71-147	
120-82-1	1,2,4-Trichlorobenzene	230	**207**	**90**	60-145	
91-20-3	Naphthalene	218	**201**	**92**	56-158	
87-68-3	Hexachlorobutadiene	230	**196**	**85**	56-139	

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